

PTO/SB/OBA (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

control number.			
Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/625,647
		Filing Date	07-22-03
		First Named Inventor	Sheng Teng Hsu
		Art. Unit	2816
		Examiner Name	Long nguyen
		Attorney Docket Number	SLA0759
Sheet	1	of	3

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date 'MM-DD-YYYY'	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code 2 (If known)			
LN		US- 3,886,577	05-27-1975	Buckley	257/3
LN		US- 5,541,869	07-30-1996	Rose et al.	365/100
LN		US- 6,204,139 B1	03-20-2002	Liu et al.	438/385
LN		US- 6,473,332 B1	10-29-2002	Ignatiev et al.	365/148
LN		US- 5,177,567	01-05-1993	Klersy et al.	257/4
LN		US- 3,271,591	09-06-1966	Ovshinsky	327/500
LN		US- 3,530,441	09-22-1970	Ovshinsky	365/113
LN		US- 5,166,758	11-24-1992	Ovshinsky et al.	257/3
LN		US- 5,296,716	03-22-1994	Ovshinsky et al.	257/3
LN		US- 5,335,219	08-02-1994	Ovshinsky et al.	365/288
LN		US- 5,341,328	08-23-1994	Ovshinsky et al.	365/168
LN		US- 5,359,205	10-25-1994	Ovshinsky	257/3
LN		US- 5,406,509	04-11-1995	Ovshinsky et al.	365/113
LN		US- 5,534,711	07-09-1996	Ovshinsky et al.	257/3
LN		US- 5,536,947	07-16-1996	Klersy et al.	257/3
LN		US- 5,596,522	01-21-1997	Ovshinsky et al.	365/113
LN		US- 5,687,112	11-11-1997	Ovshinsky	365/163
LN		US- 5,912,839	06-15-1999	Ovshinsky et al.	365/185-03
LN		US- 6,531,371 B2	03-11-2003	Hsu et al.	438/385
LN		US- 2003/0001178 A1	01-02-2003	Hsu et al.	257/296

[illegible]

Examiner: Signature	Long Nguyen	Date Considered	10/17/05
------------------------	-------------	--------------------	----------

\*EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at: [www.uspto.gov](http://www.uspto.gov) or MPEP §901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.9). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant

**BEST AVAILABLE COPY**

PTO/SB/OBA (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

control number					
Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/625,647
				Filing Date	07-22-03
				First Named Inventor	Sheng Teng Hsu
				Art Unit	2816
				Examiner Name	Long Nguyen
Sheet	2	of	3	Attorney Docket Number	SLA0759

[illegible][illegible]

Examiner Signature	Long Nguyen	Date Considered	10/17/05
--------------------	-------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

conformance and not considered. Include copy of this form with next communication to applicant.

1. Applicant's unique citation; designation number (optional). 2. See Kind's Codes of USPTO Patent Documents at: [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3. Enter Office that issued the document; by the two-letter code (WIPO Standard ST.3). 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6. Applicant is to place a check mark here if English language translation is attached.

English language translation is attached.

**Budget Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, 400 ... **DO NOT SEND BY AIR OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant**

**BEST AVAILABLE COPY**

PTO/SB/088 (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/625,647
		Filing Date	07-22-03
		First Named Inventor	Sheng Teng Hsu
		Group Art Unit	2816
		Examiner Name	Long Nguyen
		Attorney Docket Number	SLA0759
Sheet	3	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	72
LN		S.Q. LIU, N.J. WU, A. IGNATIEV, "A new concept for non-volatile memory: the Electric-Pulse Induced Resistive change effect in colossal magnetoresistive thin film", Proceedings of Non-Volatile Memory Technology Symposium 2001, San Diego, California, Nov. 2001, p. 18-24	

Examiner Signature	Long Nguyen	Date: Considered	10/17/05
-----------------------	-------------	---------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

BEST AVAILABLE COPY